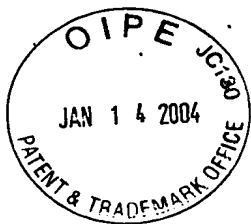




*Fig. 1*



2/11

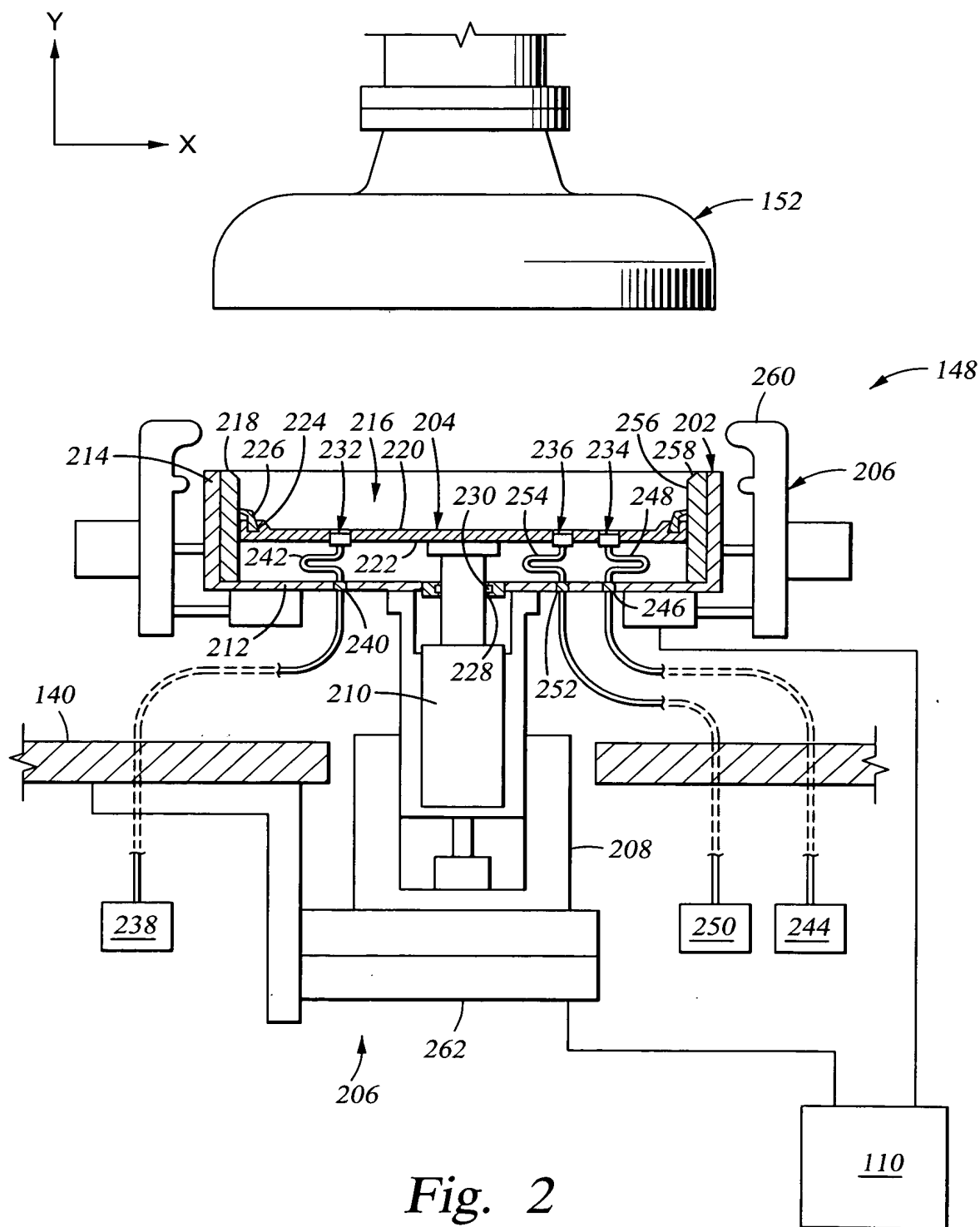


Fig. 2

This cross-sectional view shows a device with a fluid channel. A vertical wall 202 is on the left, with a hatched region 214 and a layer 216. A valve assembly is located in the channel, featuring a conical member 224 with a tip 302. A horizontal member 304 is positioned above the tip, with a curved surface 306 and a lower surface 326. A layer 204 is below the valve assembly. The channel is filled with FLUID, indicated by a double-headed vertical arrow.





4/11

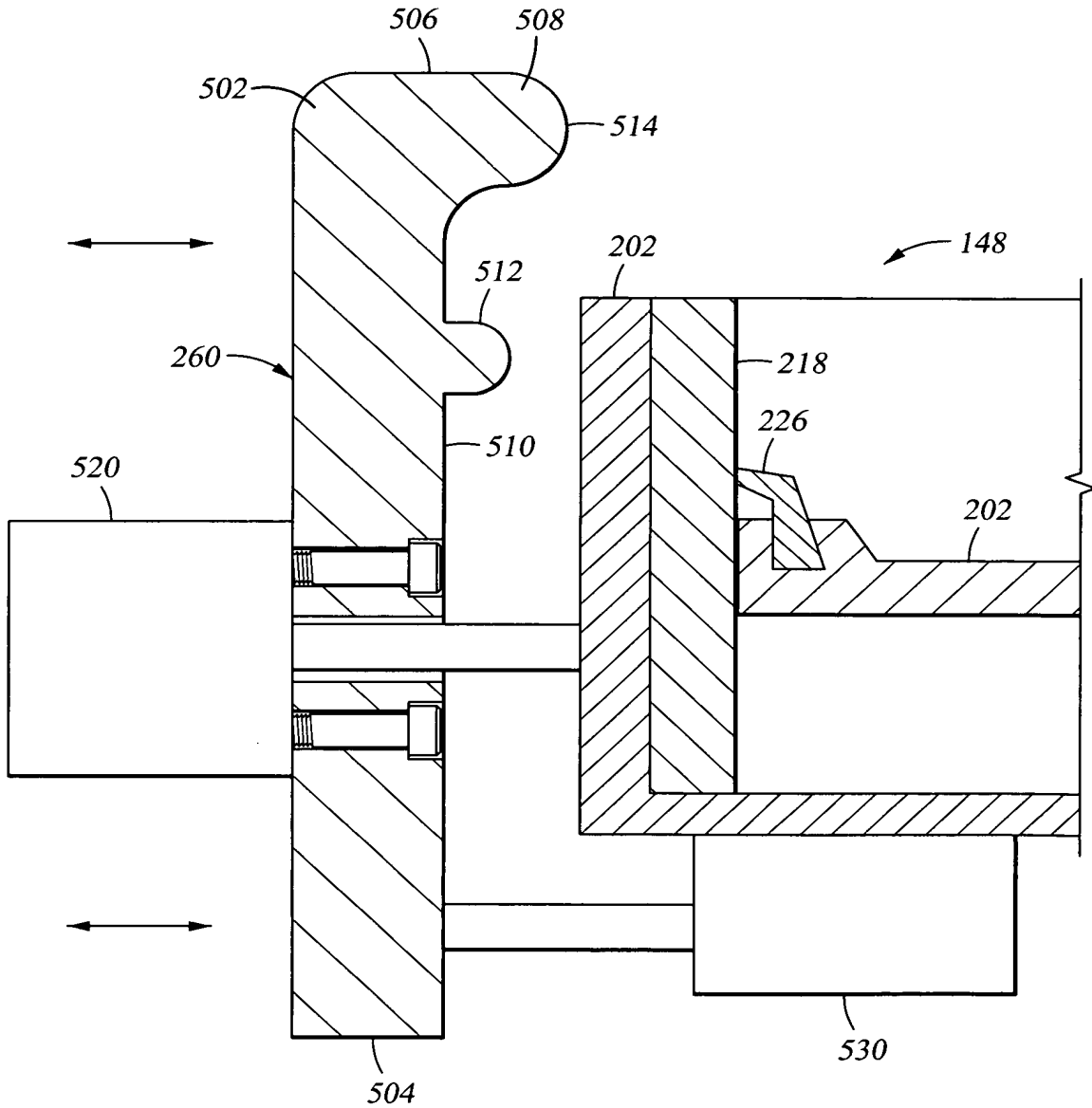
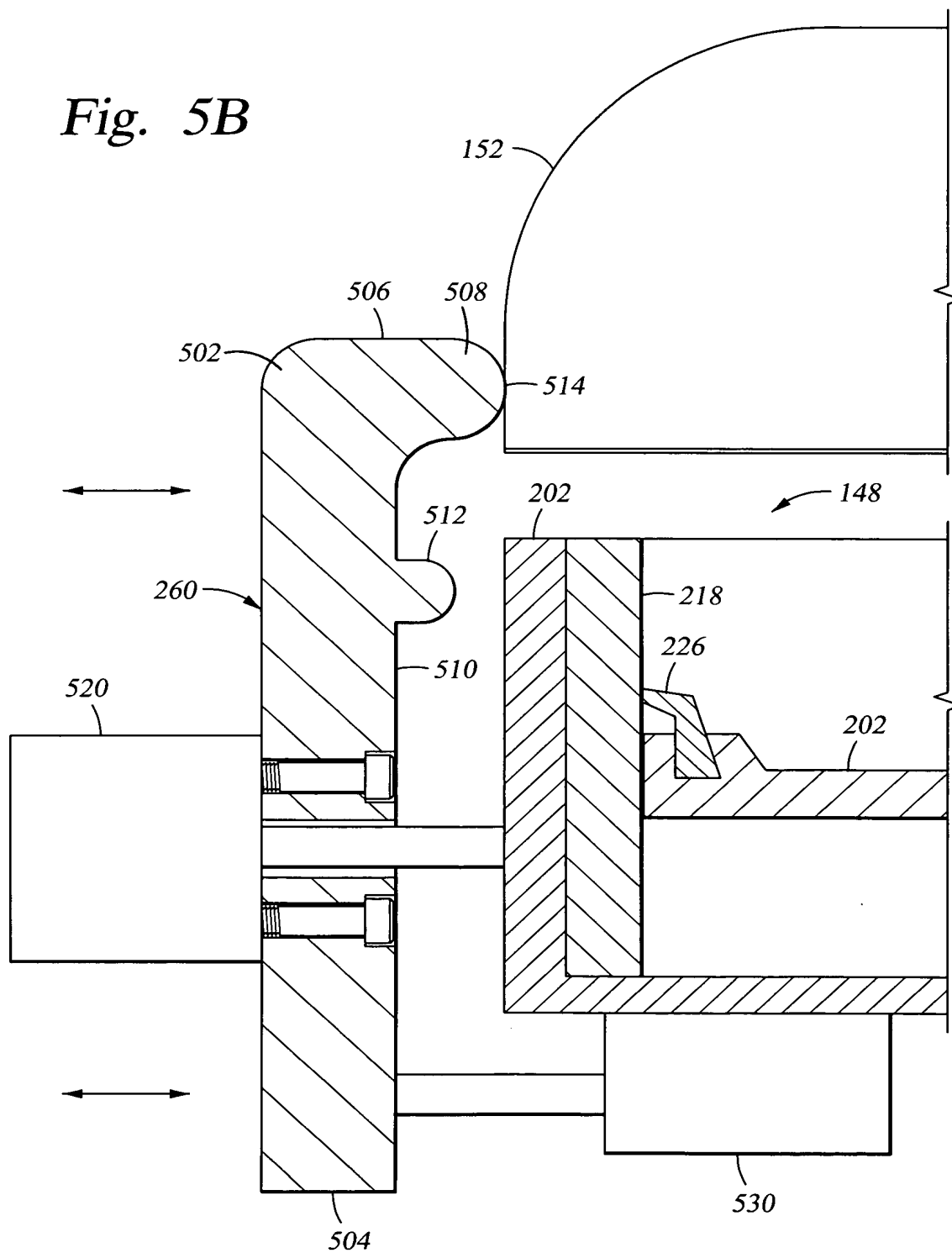


Fig. 5 A



5/11

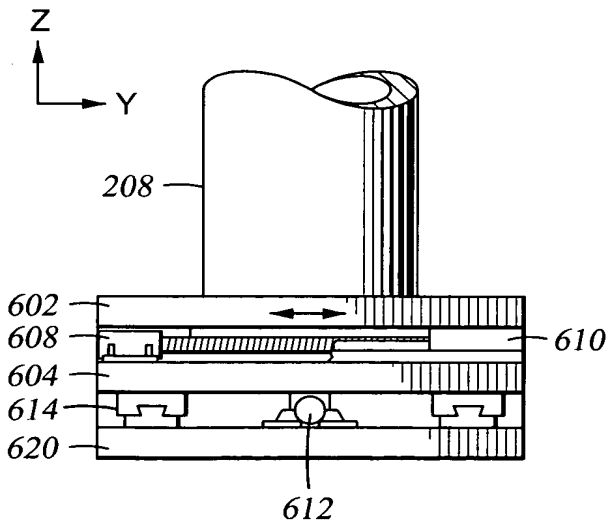
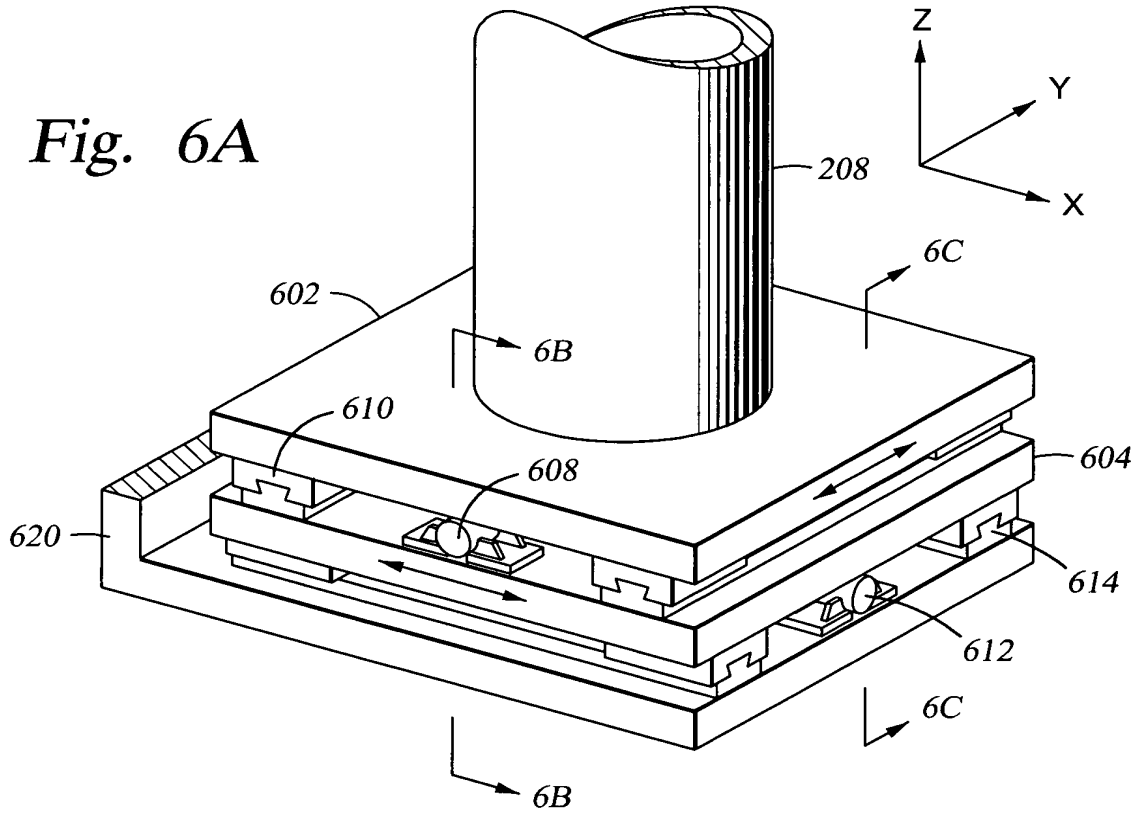
*Fig. 5B*



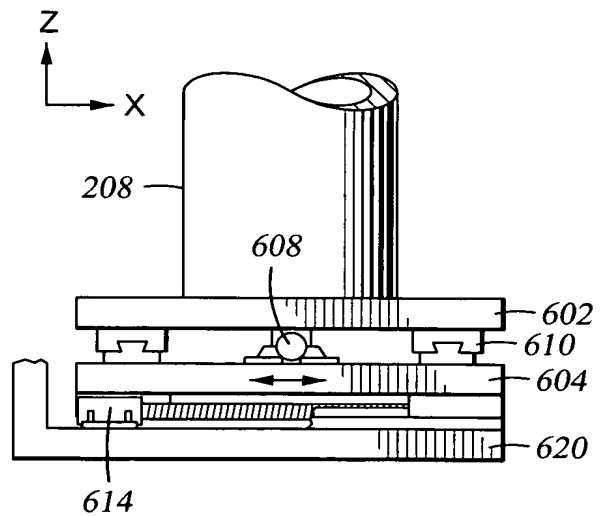


6/11

*Fig. 6A*



*Fig. 6B*



*Fig. 6C*

7

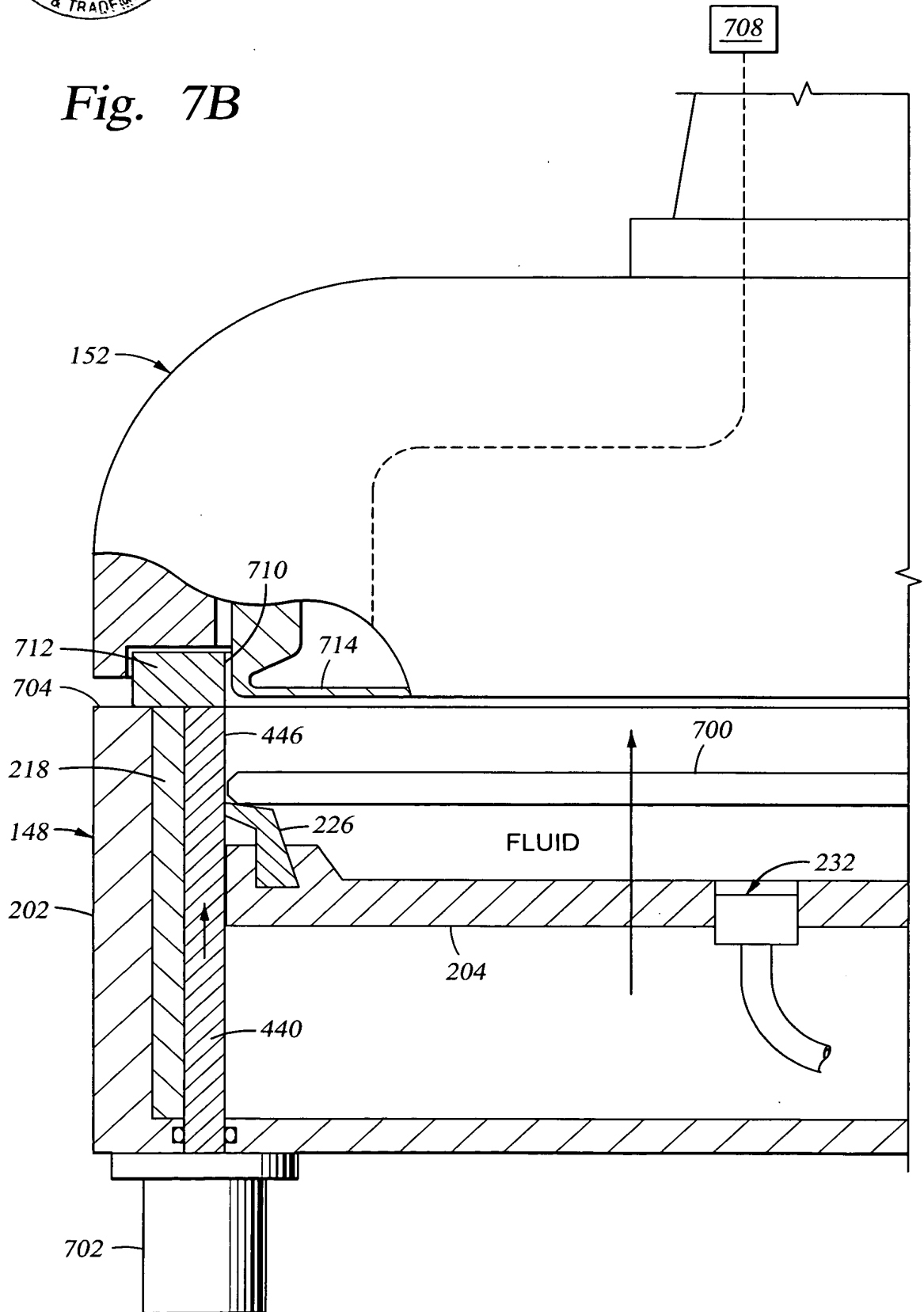


*Fig. 7A*



8/11

Fig. 7B

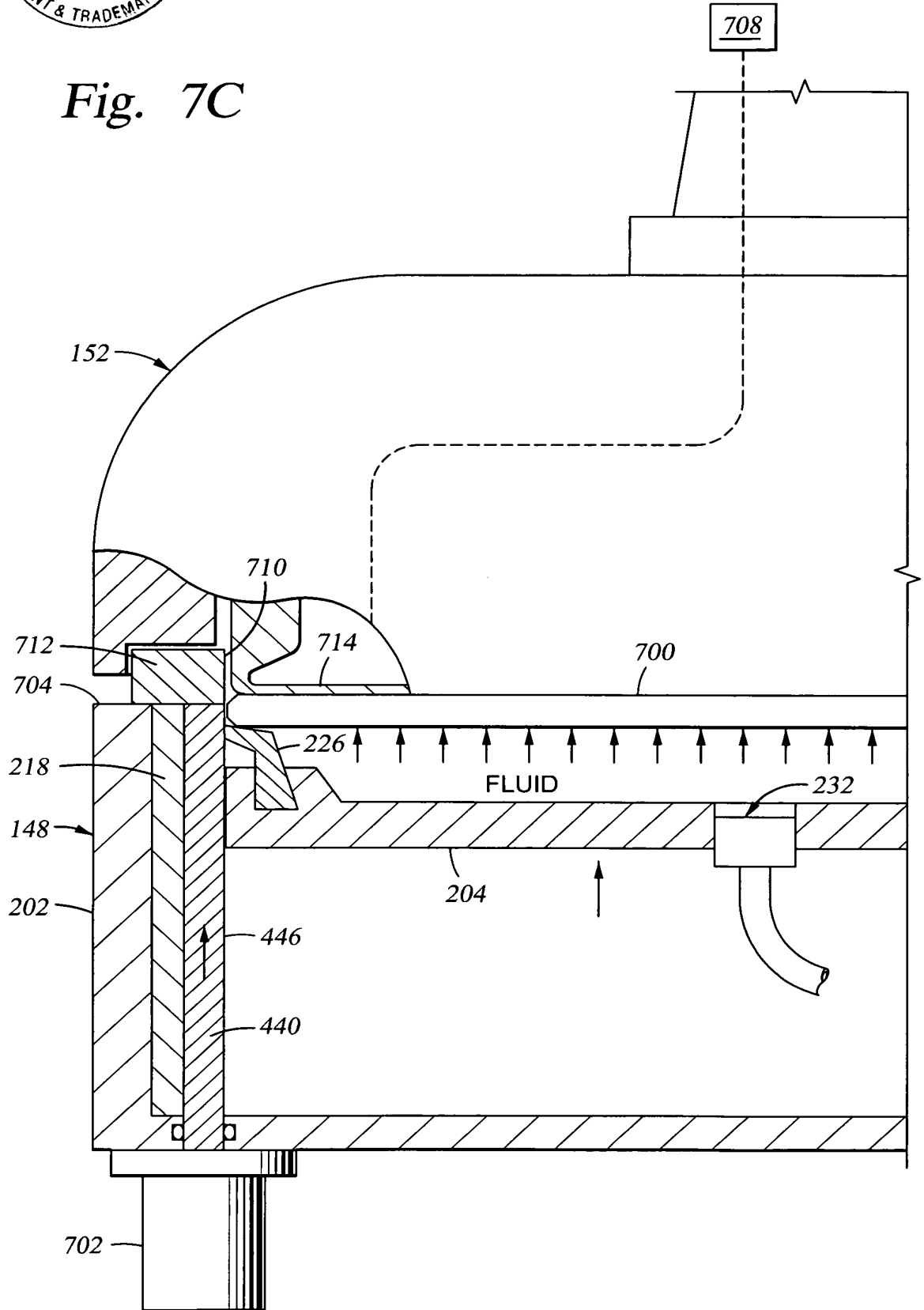






9/11

Fig. 7C





10/11

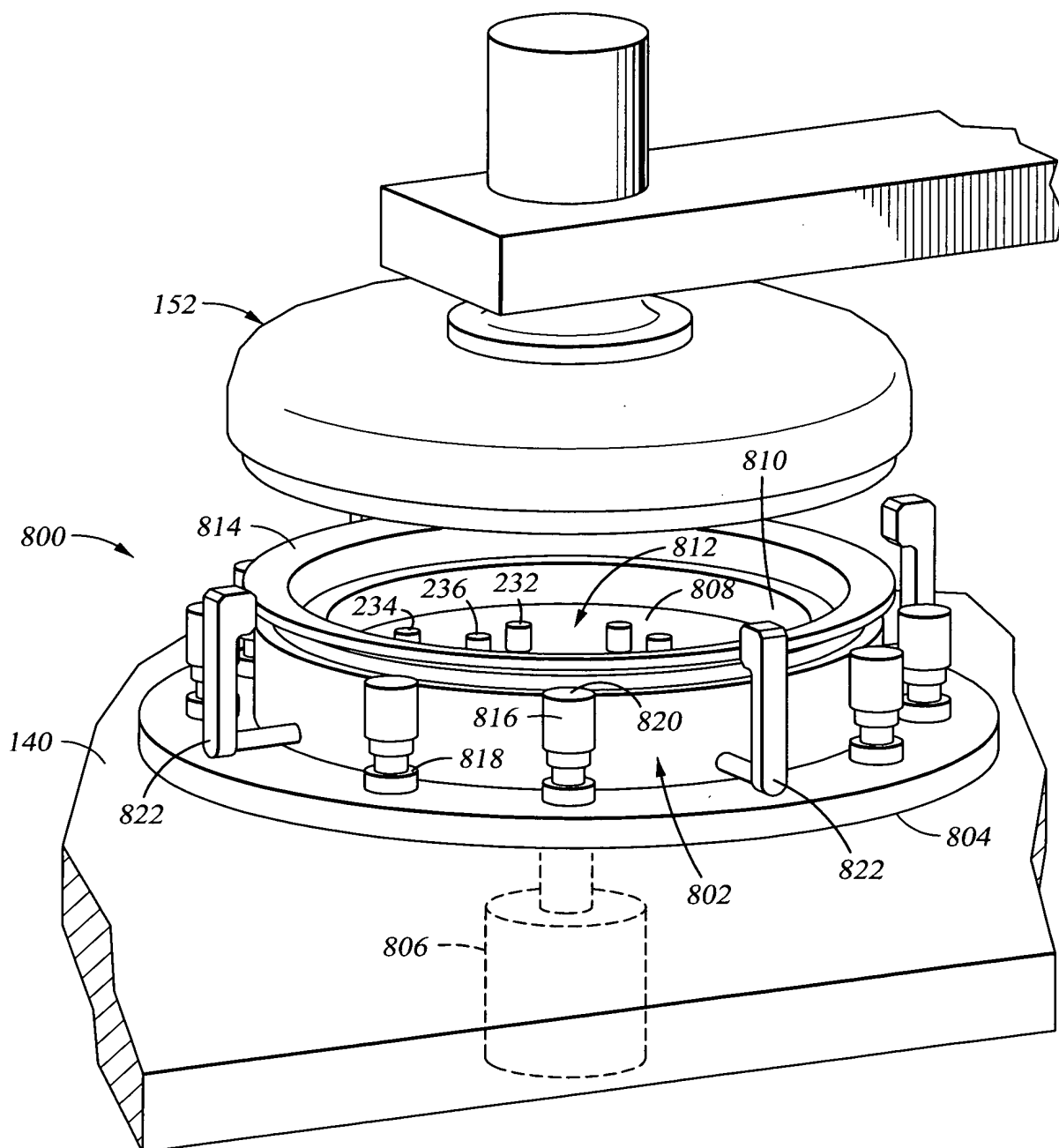


Fig. 8



11/11

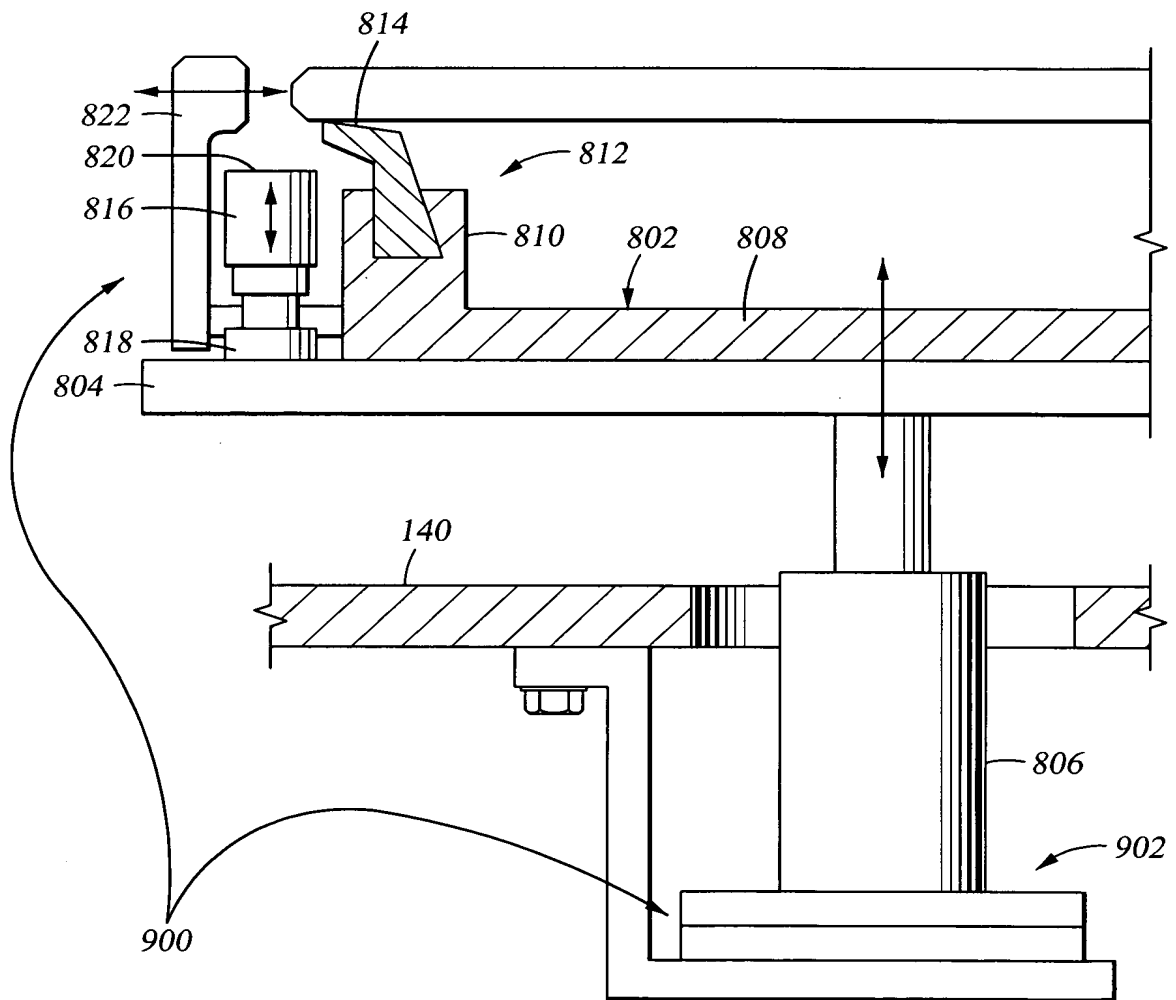


Fig. 9